## Reference Copy Only. Do Not Mail to the FCC as an Application.

Submitted: 09/21/2018 at 16:44:15

File Number: 0008377556

1) Radio Service Code:

### FCC 601 Main Form

# FCC Application for Radio Service Authorization: Wireless Telecommunications Bureau Public Safety and Homeland Security Bureau

1a) Existing Radio Service Code:

Approved by OMB 3060 - 0798 See instructions for public burden estimate

Gen	eral Information	
2)	(Select only one) (RO)  NE - New RO - Renewal Only AU - Administrative Update MD - Modification AM - Amendment CA - Cancellation of License DU - Duplicate License  NT - Required No EX - Requests for DU - Duplicate License  NT - Required No EX - Requests for RL - Registered In RL	Extension of Time
3a)	If this application is for a <u>Developmental License</u> , De <u>monstration License</u> , or a <u>Special Temporary Authorization (STA)</u> , enter the code and attach the required exhibit as described in the instructions. Otherwise enter ' <u>N</u> ' (Not Applicable).	( N ) <u>D M S N</u> /A
3b)	If this application is for Special Temporary Authority due to an emergency situation, enter 'Y'; otherwise enter 'N'. Refer to Rule 1.915 for an explanation of situations considered to be an emergency.	( ) <u>Y</u> es <u>N</u> o
4)	If this application is for an Amendment or Withdrawal, enter the file number of the pending application currently on file with the FCC.	File Number
5)	If this application is for a Modification, Renewal Only, Renewal/Modification, Cancellation of License, Duplicate License, or Administrative Update, enter the call sign of the existing FCC license.  If this is a request for Registered Location/Link, enter the FCC call sign assigned to the geographic license.	Call Sign WQJN229
6)	If this application is for a New, Amendment, Renewal Only, or Renewal/Modification, enter the requested authorization expiration date (this item is optional).	MM DD/
7)	Is this application "major" as defined in §1.929 of the Commission's Rules when read in conjunction with the	( ) <u>Y</u> es <u>N</u> o

Fees. Waivers, and Exemptions

rees, waivers, and Exemptions	
9) Is the Applicant exempt from FCC application fees?	( <b>N</b> ) <u>Y</u> es <u>N</u> o
10) Is the Applicant exempt from FCC regulatory fees?	( <b>N</b> ) <u>Y</u> es <u>N</u> o
11a) Does this application include a request for a Waiver of the Commission's Rule(s)?  If 'Yes', attach an exhibit providing rule number(s) and explaining circumstances.	( <sub>N</sub> ) <u>Y</u> es <u>N</u> o
11b) If 11a is 'Y', enter the number of rule sections involved.	Number of Rule Section(s):
12) Are the frequencies or parameters requested in this filing covered by grandfathered privileges, previously approved by waiver, or functionally integrated with an existing station?	( ) <u>Y</u> es <u>N</u> o

applicable radio service rules found in Parts 22 and 90 of the Commission's Rules? (NOTE: This question only

applies to certain site-specific applications. See the instructions for applicability and full text of §1.929).

Are attachments (other than associated schedules) being filed with this application?

( N )Yes No

Applicant Information								
13) FCC Registration Number (FRN): <b>0018144642</b>								
14) Applicant/Licensee Legal Entity Type: (Select Or ( ) Individual ( )Unincorporated Association		Trust	(	)Government	Entity ( <b>x</b> )0	Corporation	n ( )Limited	Liability Compan
( ) General Partnership ( ) Limited Partner	ship (	) Li	mited	Liability Partne	ership (	) Consor	tium	
( ) Other:		,		·	. ,	,		
15) If the Licensee name is being updated, is the up to another party and for which proper Commis provided?								) <u>Y</u> es <u>N</u> o
16) First Name (if individual):		MI:	Last N	lame:			Su	ffix:
17) Legal Entity Name (if other than individual):								
CALIFORNIA INSTITUTE OF TECHNOLO	GY							
18) Attention To:								
Kathleen Carpenter 19) P.O. Box:	And/O	r 20)	Stroot	Address:				
13)1 . 3. Box.	Alla/Ol			E CALIFOR	NIA RI VD			
21) City:			. 200	L OALH OIL	22) State:	2	3) Zip Code:	
PASADENA					CA		91129	
24) Telephone Number:				25) FAX:	<u> </u>			
(626)395-6811								
26) E-Mail Address:								
kathleen.carpenter@caltech.edu								
7) Demographics (Optional):								
Race:	Ethni		ic or I	atino		Gende		
( )American Indian or Alaska Native		)Hispan				/lale		
( )Asian	( <b>X</b> )	)Not His	spanic	or Latino		( )Female		
( )Black or African-American								
( )Native Hawaiian or Other Pacific Islander								
( )White								
	I							
Real Party in Interest 28) Name of Real Party in Interest of Applicant (If dif Applicant):	ferent from	1		29) FCC Reg	gistration Number	er (FRN) c	of Real Party in	Interest:
Contact Information (If different from the Applicant)			l.					
) Check here if same as Applicant. 30) First Name:		MI:	11	ast Name:				Suffix:
Glenn		1011.		Aranas				Guiix.
31) Company Name:		<u> </u>						
COMMUNICATIONS USA, INC.								
32) Attention To:								
33) P.O. Box:	And /Or	· ·		Address:	treet			
35) City:				36) State			37) Zip Coo	de:
Escondido				CA			92029	
38) Telephone Number:				39) FAX:				
(858)674-1370								
40) E-Mail Address:								
glenn@commusa.com legulatory Status								
41) This filing is for authorization to provide or use th	e following	type(s	) of ra	dio service off	ering (enter all t	that apply)	:	
( ) <u>C</u> ommon Carrier ( ) <u>N</u> on-Common Carrie	r ( )	<b>P</b> rivate	, interi	nal communic	ations ( )B	roadcast	Services (	) <b>B</b> and <b>M</b> anag

Γype of	f Radio Service										
42) Th	nis filing is for authori	izatior	n to provide the	following	type(s) of radio ser	rvice (choos	se all that apply):				
` /-	Eixed		) <u>M</u> obile	(	) <u>R</u> adiolocation	(	) <u>S</u> atellite (sound)	(	) <u>B</u> roadcast Se		
43) Do	oes the Applicant pro	opose	to provide servi	ice interd	connected to the pub	olic telepho	ne network?		(	) <u>Y</u> es	<u>N</u> o
he Mai	in Form Instruction	ns for	the "Alien Own	nership (	Questions".)		g the circumstances. In p	reparin	ng the attachme	nt, refe	r to
,	the Applicant a forei			•	, ,	ın governm	ent?		(	) <u><b>Y</b></u> es	<u>N</u> o
	the Applicant an alie								(	) <u>Y</u> es	
	the Applicant a corp				, , ,				(	) <u>Y</u> es	
,					•		vned of record or voted by a corporation organized under		,	) <u>Y</u> es ountry?	<u>N</u> o
is own		ed by a	aliens or their rep	presenta	atives, or by a foreigr		nore than one-fourth of the ent or representative thereo			) <u>Y</u> es	<u>N</u> o
48b) l	If the answer to 47 o	r 48a	is 'Y' select one	of the c	hoices below.						
	The Applicant is ex	xempt	from the provisi	ions of S	ection 310(b).						
					ory ruling if the Applie provisions of Sectio		es in the attachment require	ed by It	em 47 or Item 4	8a a sh	owing
							wnership, and the applicat c coverage area for which				
		Reco	ord citation, if ava	ʻailable, i			e citation(s) of the applical that there has been no ch				
	immediately above	e; or (	(ii) is an "affiliate	e" of a L	_icensee or Lessee/	/Sublessee	ownership, but is not able that received a declarator ermitted under the affiliate	y ruling	ı(s) under 47 CF	FR § 1.9	990(a)
	Item 48a the citation	ion(s)	of the Applicant	t's decla	ratory ruling(s) by D	DA/FCC nur	ugust 9, 2013, include in th mber, the FCC Record cita ts ruling and with the Comm	tion, if a	available, releas	by Item e date,	47 or and a
	copy of a petition a same radio servi declaratory ruling	for de rice(s) pursu	eclaratory ruling and geograph ant to Section 1	filed cor nic cover 1.990(a)	ntemporaneously wit rage area(s) involv of the Commission	ith the Com ved in the 1's Rules, 4	gust 9, 2013, include in the nmission to extend the Appi application. Alternatively, 17 CFR § 1.990(a). Petition BFS) (with a copy attached h	licant's the A ns for d	existing ruling(s Applicant may re leclaratory ruling	e) to cov equest a	er the new
	Item 47 or Item 48 date, and a state Commission's Rule	8a the ement les. Ti	e citation(s) of the that the Application of the contract the Applicant mu	he applic icant is ust also	cable declaratory ru in compliance with	uling(s) by L the terms on of comp	of filing this application, in DA/FCC number, the FCC s and conditions of the name a, as applicable.	Record amed a	d citation, if avai affiliate's ruling	ilable, re and wit	elease th the
					ruling approving its with the Commissio		wnership and is requesting	a dec	laratory ruling u	nder 47	' CFR
		uant to	o 47 CFR § 1.99	90(a). Pe	etitions for declarato		e petition for declaratory rul ay be filed electronically or				

#### **Basic Qualification Questions**

49) Has the Applicant or any party to this application had any FCC station authorization, license or construction permit revoked or had any application for an initial, modification or renewal of FCC station authorization, license, or construction permit denied by the Commission?	(	) <u>Y</u> es	<u>N</u> o
50) Has the Applicant or any party to this application, or any party directly or indirectly controlling the Applicant, ever been convicted of a felony by any state or federal court?	(	) <u><b>Y</b></u> es	<u>N</u> o
51) Has any court finally adjudged the Applicant or any party directly or indirectly controlling the Applicant guilty of unlawfully monopolizing or attempting unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio apparatus, exclusive traffic arrangement, or any other means or unfair methods of competition?  If the answer to any of 49-51 is 'Y', attach an exhibit explaining the circumstances.	(	) <u>Y</u> es	<u>N</u> o

#### **Aeronautical Advisory Station (Unicom) Certification**

52) ( ) I certify that the station will be located on property of the airport to be served, and, in cases where the airport does not have a control tower, RCO, or FAA flight service station, that I have notified the owner of the airport and all aviation service organizations located at the airport within ten days prior to application.

#### Broadband Radio Service and Educational Broadband Service Cable Cross-Ownership

53a) Will the requested facilities be used to provide multichannel video programming service?	(	) <u>Y</u> es	<u><b>N</b></u> o
53b) If the answer to question 53a is 'Y', does the Applicant operate, control or have an attributable interest (as defined in 47 CFR § 27.1202) in a cable television system whose franchise area is located within the geographic service area of the requested facilities?	(	) <u>Y</u> es	<u>N</u> o
Note: If the answer to question 53b is 'Y', attach an exhibit explaining how the Applicant complies with 47 CFR § 27.1202 or justify waiver of that rule. If a waiver of the Commission Rule(s) is being requested, them 11a must be answered 'Y'	ing a		

#### Broadband Radio Service and Educational Broadband Service (Part 27)

54) (For EBS only) Does the Applicant comply with the programming requirements contained in 47 CFR § 27.1203?	(	) <u><b>Y</b></u> es	<u>N</u> o						
Note: If the answer to item 54 is 'N', attach an exhibit explaining how the Applicant complies with 47 CFR § 27.1203 of the Commor justifying a waiver of that rule. If a waiver of the Commission Rule(s) is being requested, Item 11a must be answered 'Y'.	ission's	s Rules							
55) (For BRS and EBS) Does the Applicant comply with 47 CFR §§ 27.50, 27.55, and 27.1221?	(	) <u>Y</u> es	<u>N</u> o						
Note: If the answer to item 55 is 'N', attach an exhibit justifying a waiver of that rule(s). If a waiver of the Commission Rule(s) is being requested, Item 11a must be answered 'Y'									

#### For Applicants Who Participated in an Auction

56) Is the Applicant a qualifying rural wireless partnership or a member of a qualifying rural wireless partnership?

( )Yes Note: If the answer to item 56 is 'Y', attach an exhibit listing all members of the qualifying rural wireless partnership, including their FRN numbers.

#### **General Certification Statements**

- 1) The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application.
- 2) The Applicant certifies that grant of this application would not cause the Applicant to be in violation of any pertinent cross-ownership or attribution rules.\*

  \*If the Applicant has sought a waiver of any such rule in connection with this application, it may make this certification subject to the outcome of the waiver request.
- 3) The Applicant certifies that all statements made in this application and in the exhibits, attachments, or documents incorporated by reference are material, are part of this application, and are true, complete, correct, and made in good faith.
- 4) The Applicant certifies that neither the Applicant nor any other party to the application is subject to a denial of Federal benefits pursuant to § 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. § 862, because of a conviction for possession or distribution of a controlled substance. This certification does not apply to applications filled in services exempted under § 1.2002(c) of the rules, 47 CFR § 1.2002(c). See 47 CFR § 1.2002(b) for the definition of "party to the application" as used in this
- 5) The Applicant certifies that it either (1) has current required ownership data on file with the Commission, (2) is filing updated ownership data simultaneously with this application, or (3) is not required to file ownership data under the Commission's Rules.
- 6) The Applicant certifies that the facilities, operations, and transmitters for which this authorization is hereby requested are either: (1) categorically excluded from routine environmental evaluation for RF exposure as set forth in 47 CFR § 1.1307(b); or, (2) have been found not to cause human exposure to levels of radiofrequency radiation in excess of the limits specified in 47 CFR §§ 1.1310 and 2.1093; or, (3) are the subject of one or more Environmental Assessments filed with the Commission
- 7) The Applicant certifies that it has reviewed the appropriate Commission Rules defining eligibility to hold the requested license(s), and is eligible to hold the requested license(s).
- 8) The Applicant certifies that it is not in default on any payment for Commission licenses and that it is not delinquent on any non-tax debt owed to any federal agency.
- 9) The Applicant certifies that the Applicant and all of the related individuals and entities required to be disclosed on this application and FCC Form 602 (FCC Ownership Disclosure Information for the Wireless Telecommunications Services) are not person(s) who have been, for reasons of national security, barred by any agency of the Federal Government from bidding on a contract, participating in an auction, or receiving a grant. This certification applies only to applications for licenses for spectrum that is required by Sections 6103, 6401-6403 of the Middle Class Tax Relief and Job Creation Act of 2012, codified at 47 U.S.C. §§ 309, 1413, 1451-1452, to be assigned by a system of competitive bidding under 47 U.S.C. § 309(j).

#### Signature

57) Typed or Printed Name of Party Authorized to Sign First Name: MI: Last Name: Suffix: Kathy Carpenter 58) Title: **Security Operations Analyst** Signature: 59) Date: Carpenter 09/21/2018 Kathy FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID. Upon grant of this license application, the Licensee may be subject to certain construction or coverage requirements. Failure to meet the construction or coverage requirements will result in termination of the license. Consult appropriate FCC regulations to determine the construction or coverage requirements that apply to the type of license requested in this application. WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 18, § 1001) AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. Code, Title 47, § 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, § 503). FCC 601 Schedule H

## Technical Data Schedule for the Private Land Mobile and Land Mobile Broadcast Auxiliary Radio Services (Parts 90 and 74)

Approved by OMB 3060 - 0798 See 601 Main Form instructions for public burden estimate

Eligibility							
1) Rule Section 90.35	n:	2) Describe Activity: PRIVATE EDUCAT OPERATIONS	IONAL INSTITUTION USI	NG RADIOS FOR D	DAY TO DAY		
Frequency (	Coordinator Info	rmation (if not self-coording	nated)				
3 Frequency C Num	) Coordination		4) uency Coordinator		5) Telephone Number		
7) Has this app	lication been succe	ssfully coordinated?				( ) <u>Y</u> es/ <u>N</u> o	
	plementation (S						
		odified extended implementati justification and a proposed s	ion plan? station construction schedule.			( ) <u>Y</u> es/ <u>N</u> o	
	all Signs (Attach	additional sheets if requ	uired)				
9)							
Broadcast Au							
If there is an a Parent Station Items 10-12.		10) Facility Id of Parent Station:	11) Radio Service of Parent Station:	12) City and Sta Community:	te of Parent S	Station Principal	
13) If there is no C <u>a</u> ble Netwo		station, this Applicant is a:( dcast Network Entity Te	) ) elevision <u>C</u> able Operator	14	1) State of Prim	ary Operation:	
	Owner or Operator Sound Company	<u>M</u> otion Picture Prod <u>T</u> elevision Producer					
Control Point	(s) (Other than a	t the transmitter) (Attac	ch additional sheets if rec	quired)			
15) Action A/M/D	16) Control Point Number	Street Address, (	17) Location Street Address, City or Town, County/Borough/Parish, State				

Antenna Information

Antenna II	Hormation							
19)	20)	21)	22)	23)	24)	25)	26)	27)
Action	Location	Antenna	AAT	Antenna Ht.	Azimuth	Beamwidth	Polarization	Gain (dB)
( )	Number	Number	(meters)	(meters)	(degrees)	(degrees)		
A/M/D								

## **Frequency Information**

28) Action ( ) A/M/D	29) Location Number	30) Antenna Number	31) Frequency (MHz)	32) Station Class	33) No. of Units	34) No. of Paging Receivers	35) Output Power (watts)	36) ERP (watts)	37) Emission Designators
			Existing (if Mod) New						